

## PROJECT DESCRIPTION

## GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE INSTALLATION VIDEO DETECTION CAMERAS AND ACCESSIBLE PEDESTRIAN SIGNALS ALONG US 50 (BUSINESS) AT THE INTERSECTIONS OF MD 349 / ISABELLA ST., DELAWARE AVE., CYPRESS STREET, LAKE STREET, MILL STREET, N. DIVISION STREET, BAPTIST STREET, WARD/ WILLIAMS STREET, NAYLOR STREET, TRUITT STREET AND MD 346 (EAST MAIN STREET) IN WICOMICO COUNTY, MARYLAND. US 50 (BUSINESS) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

## INTERSECTION OPERATION

THE INTERSECTIONS OPERATIONS WILL REMAIN THE SAME, EXCEPT AT MD 349 / ISABELLA STREET INTERSECTION WHERE THE MD 349 AND ISABELLA STREET APPROACHES WILL BE SPLIT.

## CONTROLLER REQUIREMENTS

SHA FORCES WILL REPLACE THE CONTROLLER CABINETS AT THE INTERSECTIONS OF N. DIVISION ST., LAKE ST., WARD ST., DELAWARE AVE., BAPTIST ST., TRUITT ST., AND NAYLOR ST.

## MAINTENANCE OF TRAFFIC

THE FOLLOWING MINIMUM TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.04-01 (SHOULDER WORK)

STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE)

STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)

STANDARD NO. MD-104.04-13 (LEFT-TURN BAY CLOSURE)

STANDARD NO. MD-104.04-15 (INTERSECTION TURN BAY CLOSURE)

## PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. GENE COFIELL  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (410) 677-4040

MR. JAMES R. WRIGHT  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (410) 677-4010

MR. BRUCE W. POOLE  
DISTRICT UTILITY ENGINEER  
PHONE: (410) 677-4082

MR. RICHARD L. DAFF, SR.  
CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

## EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

CATEGORY CODE	QUANTITY	DESCRIPTION
971016	1 EACH	EIGHT-PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER WITH SYSTEM PACKAGE HOUSED IN A NEMA SIZE "5" POLE MOUNTED CABINET
973023	54 S.F.	SHEET ALUMINUM SIGNS
971017	6 EACH	EIGHT-PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER WITH SYSTEM PACKAGE HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET
900000	8 EACH	VIDEO INTERFACE EQUIPMENT: 1-4 CAMERAS

## EQUIPMENT LIST "B"

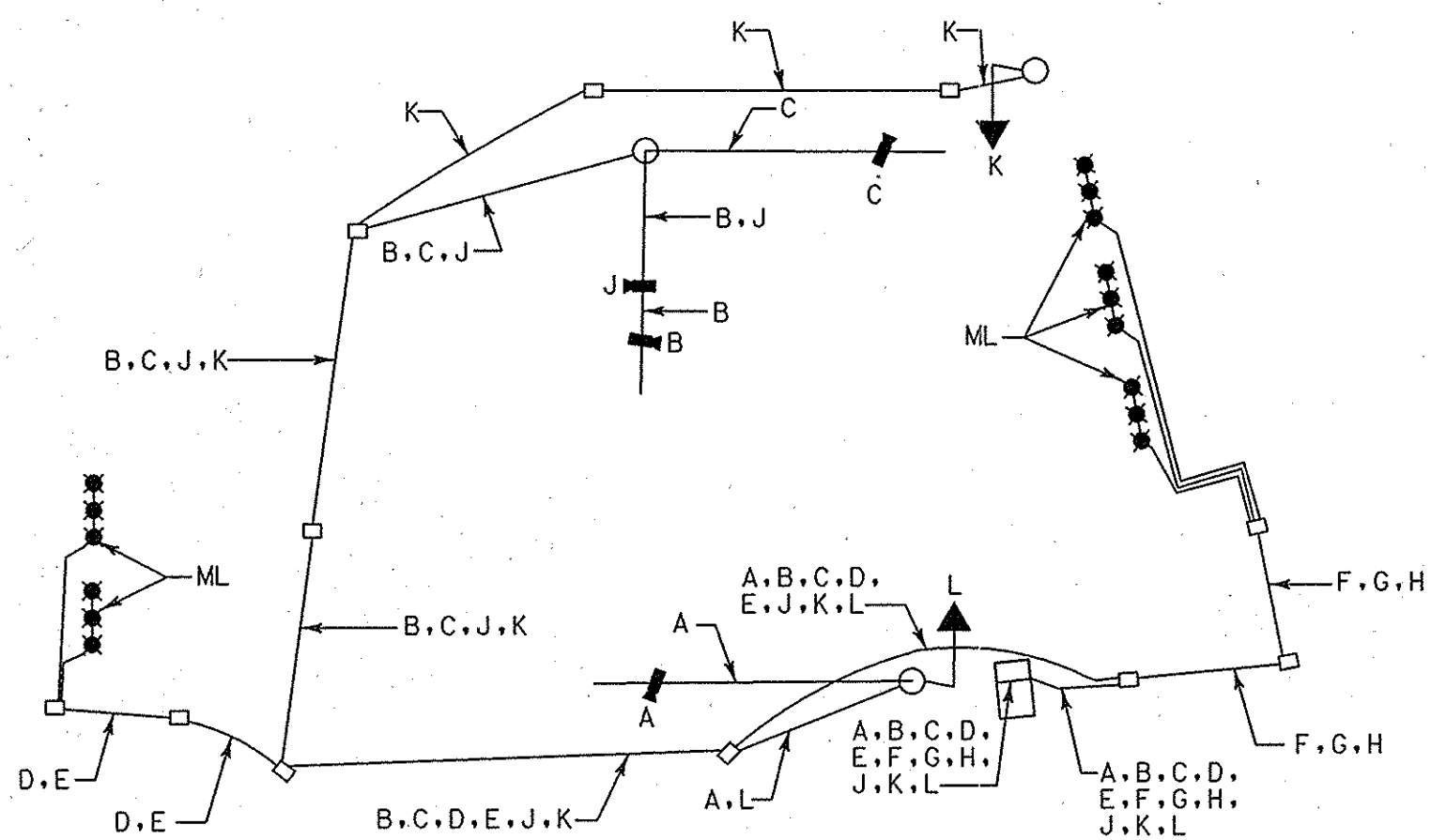
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

CATEGORY CODE	QUANTITY	DESCRIPTION
655104	240 S.F.	4 INCH CONCRETE SIDEWALK
805160	140 L.F.	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR WIRE SLEEVE
801004	15 C.Y.	CONCRETE FOR SIGNAL STRUCTURE
802501	500 L.F.	STRANDED BARE COPPER GROUND WIRE
805115	80 L.F.	3 INCH SCHEDULE 80, RIGID PVC CONDUIT-BORED
805135	480 L.F.	3 INCH SCHEDULE 80, RIGID PVC CONDUIT-TRENCHED
810550	20 EACH	MICROLOOP PROBE SET WITH 500 FOOT LEAD-IN CABLE
810555	3 EACH	MICROLOOP PROBE SET WITH 1,000 FOOT LEAD-IN CABLE
811001	1 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
813015	54 S.F.	INSTALL OVERHEAD SIGN
818004	15 EACH	10 FT. BREAKAWAY PEDESTAL POLE
837001	15 EACH	GROUND ROD - 3/4 IN. DIAMETER X 10 FT. LENGTH
816001	25 EACH	VIDEO DETECTION CAMERA
860284	16 EACH	12 IN. LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
862102	740 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)
861105	3100 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
861107	5500 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
800000-A	1 EACH	ADJUST EXISTING HANDHOLE TO FINAL GRADE
800000-B	30 EACH	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION
800000-C	10 EACH	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT
800000-D	25 EACH	16 IN. LED COUNTDOWN PEDESTRIAN SIGNAL HEAD
800000-E	10 EACH	CUT, CLEAN, GALVANIZE AND CAP SIGNAL STRUCTURE
800000-F	2 EACH	CONTROL CABLE, 100 FOOT, VIDEO DETECTION CABLE
800000-G	8 EACH	CONTROL CABLE, 200 FOOT, VIDEO DETECTION CABLE
800000-H	9 EACH	CONTROL CABLE, 300 FOOT, VIDEO DETECTION CABLE
800000-I	1 EACH	REMOVE AND DISPOSE EXISTING MATERIAL AND EQUIPMENT
800000-J	1 EACH	INSTALL CONDUIT BEND IN EXISTING FOUNDATION
800000-K	6 EACH	CONTROL CABLE, 400 FOOT, VIDEO DETECTION CABLE

## EQUIPMENT LIST "C"

ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

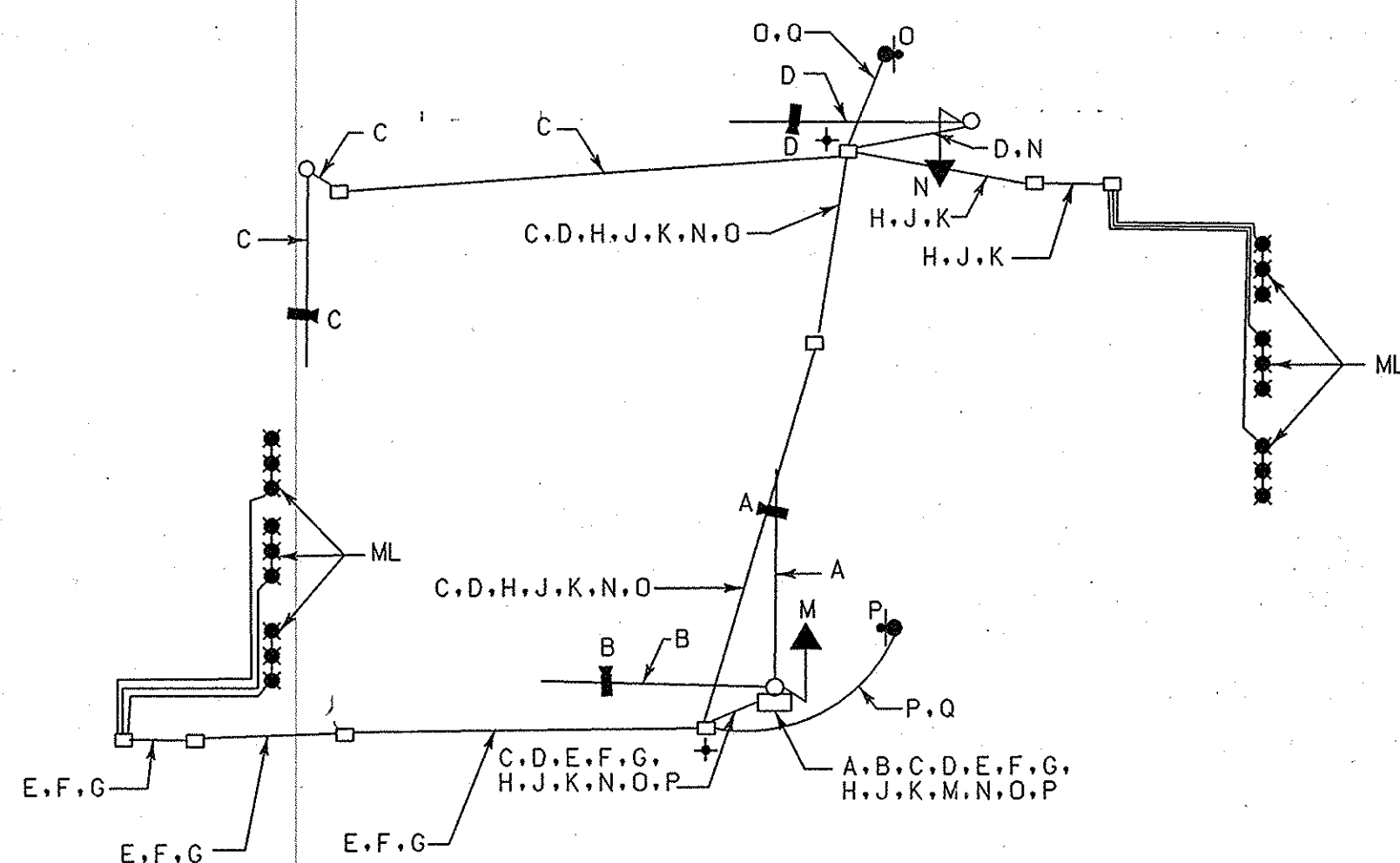
## WIRING DIAGRAMS



## WIRING KEY

- A  
B  
C  
J
- D  
E  
F  
G  
H
- K
- ML
- VIDEO CAMERA DETECTION LEAD-IN CABLE
- MICROLOOP PROBE LEAD-IN
- 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- MICROLOOP PROBE SET

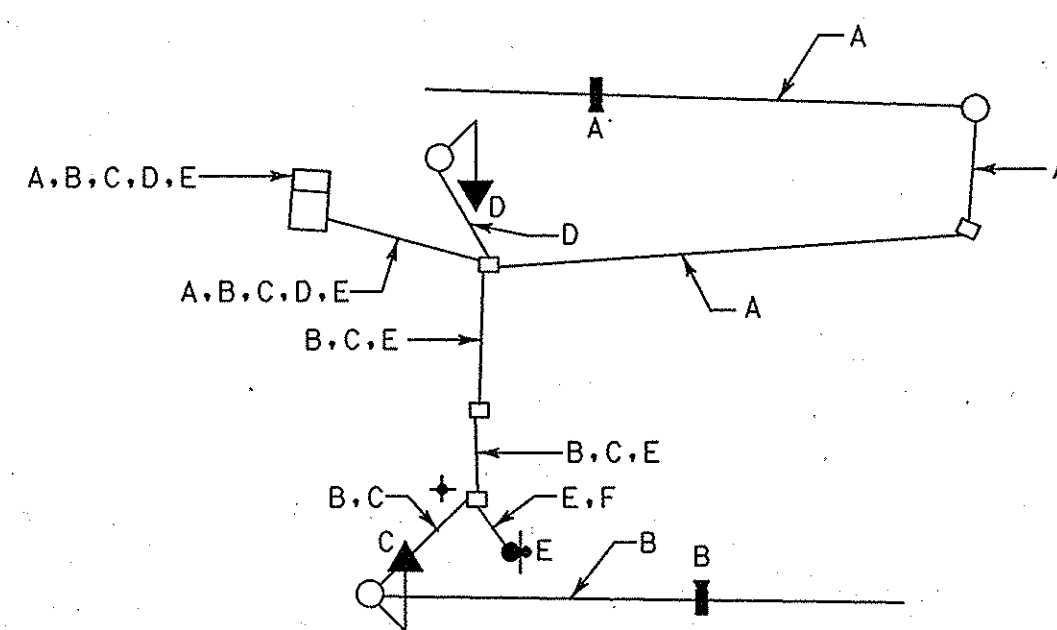
US 50 (BUSINESS @ WARD / WILLIAM ST.)



## WIRING KEY

- A  
B  
C  
D
- E  
F  
G  
H  
J  
K
- M  
N
- O
- Q
- ML
- +
- 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- MICROLOOP PROBE SET
- MICROLOOP PROBE LEAD-IN
- MICROLOOP PROBE SET
- 3/4 IN. X 10 FT. GROUND ROD

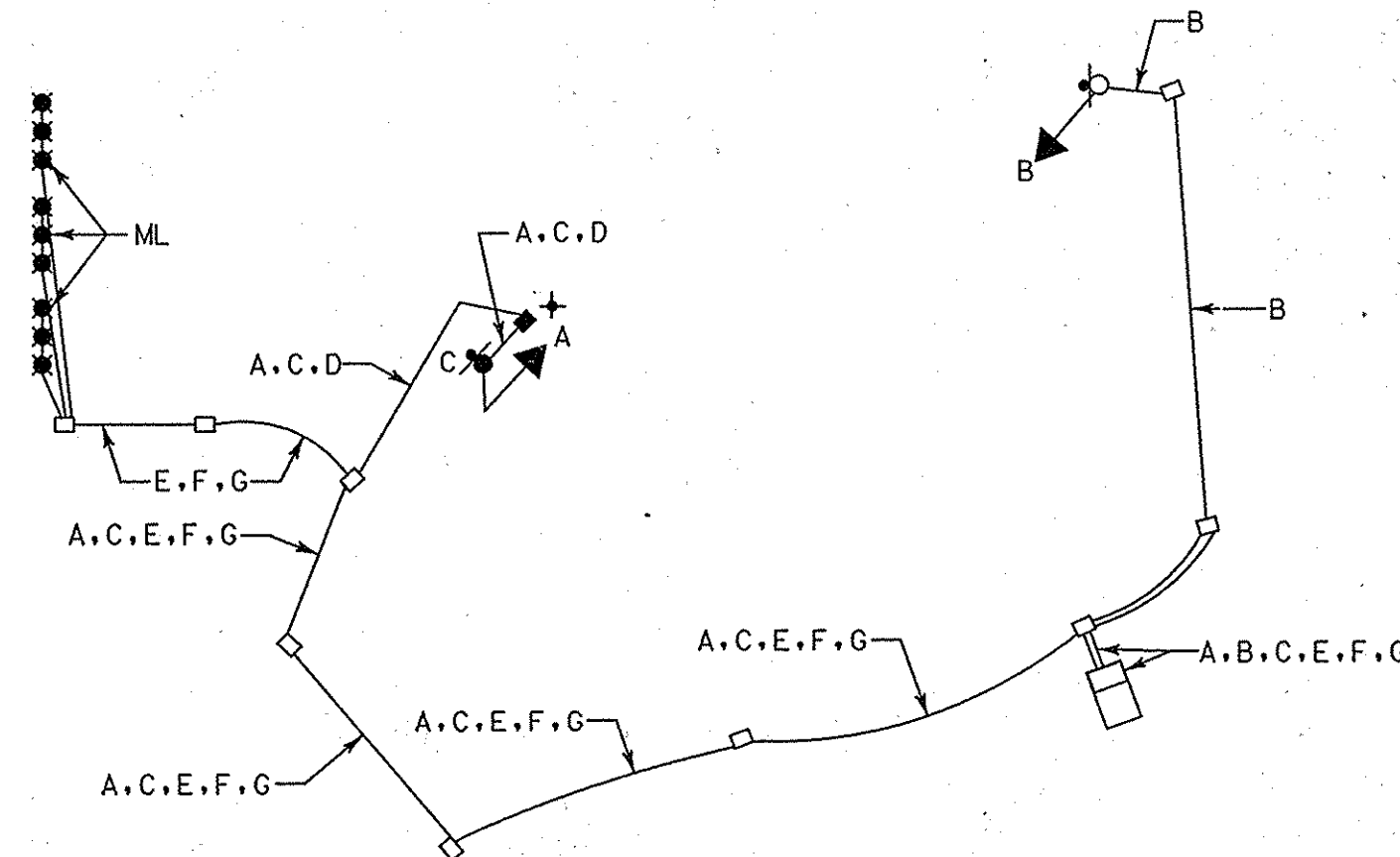
US 50 (BUSINESS @ NAYLOR ST.)



## WIRING KEY

- A  
B
- C
- D
- E
- F
- +
- 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- MICROLOOP PROBE SET
- MICROLOOP PROBE LEAD-IN
- MICROLOOP PROBE SET
- 3/4 IN. X 10 FT. GROUND ROD

US 50 (BUSINESS @ TRUITT ST.)



## WIRING KEY

- A  
B
- C
- D
- E  
F  
G
- ML
- +
- 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- MICROLOOP PROBE SET
- MICROLOOP PROBE LEAD-IN
- MICROLOOP PROBE SET
- 3/4 IN. X 10 FT. GROUND ROD

US 50 (BUSINESS @ MD 346)



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
US 50 BUSINESS (SALISBURY PKWY) TRAFFIC SIGNALS  
SALISBURY, MD

## GENERAL INFORMATION SHEET

SCALE NONE DATE 4/17/2006 CONTRACT NO. W3305177

DESIGNED BY B. DONOWAY COUNTY WICOMICO

DRAWN BY B. DONOWAY LOGMILE

CHECKED BY N. LEARY T.I.M.S. NO. H482

F.A.P. NO. TOD NO.

DRAWING NO. - OF SHEET NO. 12 OF 12



Whitman, Requardt  
and Associates, LLP  
801 South Caroline Street  
Baltimore, Maryland 21231  
(410) 235-3450